

# **Automated External Defibrillators Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis By Type (Fully-automated External Defibrillators and Semi-automated External Defibrillators) and End User (Hospitals & Clinics, Homecare, and Others)**

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## **Abstracts**

The automated external defibrillators market is estimated to reach US\$ 2.207 billion in 2030 from US\$ 1.556 billion by 2030; the market is projected to record a CAGR of 4.5% from 2022 to 2030.

Some of the key driving factors for the automated external defibrillators market growth are the increasing prevalence of cardiovascular diseases and rising training and awareness programs on automated external defibrillators. However, performance issues related to automated external defibrillators is hindering the market growth.

### **Rising Training and Awareness Programs on Automated External Defibrillators**

In 2019, ~700,000 cases of out-of-hospital cardiac arrest (OHCA) happened in European countries and the US, with a significant proportion of these occurring at home and in public settings. The awareness regarding cardiopulmonary resuscitation (CPR) and automated external defibrillators (AED) is high in Western countries. A study titled "The Global Survival Rate among Adult Out-Of-Hospital Cardiac Arrest Patients who Received Cardiopulmonary Resuscitation: A Systematic Review and Meta-Analysis," published in 2020, assessed the survival rates of OHCA patients who received CPR from a bystander or emergency medical services and were living in a particular region. The study reported a significant rise in the survival rates from the OHCA in the past

years, especially among patients who received CPR or AED and were living in Western countries. Furthermore, Shocktober is a global campaign that raises awareness and educates the community about CPR and AEDs. This campaign was initiated in October 2020 in Australia.

Online and offline training programs by organizations such as the WHO, US FDA, regional health centers, and local bodies have increased significantly across the globe. Various states in the US have enacted legislation to encourage the use of defibrillators and the availability of AEDs; they have also made provisions for educating and training people about the use and maintenance of AEDs. The British Heart Foundation has also taken the lead in rallying medical professionals to support public education in the UK. In 2020, during Denmark's opening Euro 2020 match, Christian Eriksen a famous footballer suffered from OHCA, which was one of the incidents that boosted awareness about OHCA and the adoption of defibrillators at various locations; the use of defibrillators helped paramedic teams save the player's life. Therefore, rising training and awareness programs on automated external defibrillators boost the automated external defibrillator market growth.

#### Automated External Defibrillators Market: Segmental Overview

The automated external defibrillators market is analyzed on the type and end user. Based on type, the global automated external defibrillator market is segmented into fully automated external defibrillators and semi-automated external defibrillators. A defibrillator is a device that gives a high-energy electric shock to the heart of someone who is in cardiac arrest. This high-energy shock is called defibrillation, and it is an essential part of trying to save the life of someone who is in cardiac arrest. A lay responder uses a fully automatic external defibrillator (FAED) to treat someone who has gone into cardiac arrest. In FAEDs, the user does not need to press any buttons to provide the shock; the device analyzes itself, and if a shock is required, the device administers it without the need for anyone to press a button. The user activates the FAED by pressing a button or opening the lid. The user unfolds the pads and places them on the patient as directed by the illustrations on the pads. The FAED analyzes the patient's heart rhythm once the pads are in place to see if a shock is required. If a shock is required, the FAED notifies and gives a shock to the patient without the help of any individual to push the shock button.

By end user, the automated external defibrillators market is segmented into hospitals & clinics, homecare, and others. In 2022, the hospitals & clinics segment held the largest market share, and homecare segment is estimated to grow at the fastest CAGR of 5.0%

during 2022–2030. Hospitals have general doctors, specialists, and other medical professionals who provide better healthcare services. The rise in cardiac arrest cases drives the market for the hospitals and clinics segment. Moreover, the rise in the number of cardiac implant procedures and the availability of reimbursements in developed markets are driving the market growth for the hospitals and clinics segment.

### Automated External Defibrillators Market: Geographical Overview

Based on geography, the automated external defibrillators market is analyzed for North America, Europe, Asia Pacific, Middle East & Africa, and South and Central America. Based on regions, North America is the largest market for automated external defibrillators market, and Asia Pacific is the fastest-growing region.

### Automated External Defibrillators Market: Key Players

Under the automated external defibrillators market study, a few key players were analyzed, which include Nihon Kohden, Asahi KASEI, Mindray Medical International, SCHILLER, Koninklijke Philips N.V., Stryker, Mediana Co., Ltd, CU Medical System Inc., BPL Medical Technologies, and Progetti Srl.

Few developments undertaken by the companies operating in the automated external defibrillators market are as below:

In October 2023, The Murcia Health Service had taken a step towards improving medical care for patients with palpitations, arrhythmias and strokes by acquiring 80 state-of-the-art Holters linked to a web server that allowed cardiologists to interpret and read these examinations from any location, automatically integrating the results into the electronic patient record.

In April 2020, Philips continues to comply with the terms of the consent decree, which remains in effect, and includes ongoing regulatory compliance monitoring and facility inspections of the ECR business and of Philips' other patient care businesses by the FDA. The business resumed manufacturing and shipping of external defibrillators for the US, following notification from the US Food and Drug Administration (FDA) that the injunction prohibiting those activities has been lifted.

A few of the key primary and secondary sources referred to while preparing the report

on the automated external defibrillators market are the World Health Organization (WHO) and FDA (Food and Drug Administration).

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